practice as the most effective means of combating the acute peril of the German submarine attack. The following are extracts from this document:—

"The general scheme submitted below entails ultimately an entire reorganisation of the Admiralty's present scheme of anti-sub-marine warfare, although it might, in the first instance, be adopted experimentally on a smaller scale. It involves the institution of a system of scientifically organised convoys, and the concentration on this service of the whole of the anti-submarine craft allotted to the protection of our trade routes, excepting only those vessels devoted to the anti-submarine service of our main fleets. It further involves the concentration on to the convoy system of every means of anti-submarine warfare—the gun, the submarine, the net, the depth charge, the mortar, the hydrophone, and wireless telegraphy. It aims at the effective utilisation of the slower as well as of the faster anti-submarine craft for the convoy system, and it contemplates ultimately the provision of special salvage and life-saving craft and plant to accompany the convoys. The memorandum also contains suggestions for investigations of a technical character for combating the submarine which may or may not be entirely new. . . ."

The Hankey Memorandum

The memorandum proceeded to examine the ob-

jections to the convoy system, and to set against them the far more serious objections to the system then practised. It continued :—

" How under this system we are ever to avoid losses limited only by the number of the enemy's